

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

16

Client Ref.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: HEUSALA, Hannu

PRO
U.S.
1996
1771619
01/30/01

Date: January 30, 2001

Page 1 of

U.S. PATENT DOCUMENTS

Appln. No.:

Filing Date: January 30, 2001

Examiner:

Examiner: Group Art Unit: 96

Examiner's Initials	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
HL	AR 5,613,190	03/1997	Hylton			
HL	BR 6,021,158	02/2000	Schurr et al			
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR	2				
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

English
Abstract

Translation
Readily
Available

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

YR				
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AAR				
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Examiner

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276518

T299095US

Applicant: HEUSALA et al.

Appln. No.: 09/771,619

Filing Date: January 30, 2001

Examiner: Unknown

Group Art Unit: 2681

Date: March 27, 2001

Page 1 of 1

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Examiner's Initials	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
AR	5,613,191	03/1997	HYLTON et al.	455	3.1	
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MR						
NR						

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	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
OR	WO 99/52220	10/1999	WIPO	BULLOCK et al.				
PR								
QR								
RR								
SR								
TR								
UR								
VR								
WR								
XR								

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YR	Finnish Patent Office Action re: 20000575 mailed February 23, 2001							x
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T299098US/Pyk/ear

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Date: December 18, 2001

Page **1** of **1**

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Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
AR						
BR						
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DR						
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GR						
HR						
IR						
JR						
KR						
LR						
MR						

FOREIGN PATENT DOCUMENTS

DD	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
	NR WO 99/18712	04/1999	WIPO	NORRELL				
	OR							
	PR							
	QR							
	RR							
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	WR							

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XR	Maxwell, "Asymmetric Digital Subscriber Line: Interim Technology for the Next Forty Years," IEEE Communications magazine, October 1996, pp. 100-106.			
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ZR				
AAR				
BBR				
CCR				

Examiner

Date Considered:

03/22/02

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